

FORM PTO-1449 <b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>		ATTY. DOCKET NO. 1488.0710005	APPLICATION NO. 09/526,437
		APPLICANT Greene et al.	RECEIVED
		FILING DATE March 15, 2000	GROUP 1643-1647 NOV 01 2000

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	TECH CENTER SUB-CLASS	1600 FILING DATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL						Yes No
AM						Yes No
AN						Yes No
AO2	EP 0 816 380	01/07/1998	Europe			Yes No
AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR			
AS			
AT	18	Kohno, T. et al., "A second tumor necrosis factor receptor gene product can shed a naturally occurring tumor necrosis factor inhibitor," Proc. Natl. Acad. Sci. USA 87:8331-8335 (1990)	

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DATE CONSIDERED

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>BS</i>	AR	<u>19</u>	Schall, T.J. et al., "Molecular Cloning and Expression of a Receptor for Human Tumor Necrosis Factor," <i>Cell</i> 61:361-370 (1990)
	AS		
	AT		

EXAMINER *gso* DATE CONSIDERED *1/18/02*

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		APPLICANT GREENE et al.			
		FILING DATE March 15, 2000		GROUP 4643-1647	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
85	AA1 5,395,760	03/07/1995	Smith et al.	435	240.1	05/10/1990
	AB1 5,464,938	11/07/1995	Smith et al.	530	350	08/18/1994
	AC1 5,712,155	01/27/1998	Smith et al.	435	320.1	10/29/1994
↓	AD1 5,741,899	04/21/1998	Capon et al.	536	23.4	06/07/1995
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
85	AL1 WO 94/13808	06/23/94	WIPO			Yes No
	AM1 WO 94/09137	04/28/94	WIPO			Yes No
	AN1 EP 0 585 939	03/09/94	Europe			Yes No
	AO1 WO 91/09045	06/27/91	WIPO			Yes No
↓	AP1 WO 96/26217	08/29/1996	WIPO			Abstract Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

85	AR	1	Aruffo, A.A. et al., Database A-Geneseq24 on MASPAN, Accession No. R38859 (1993).
	AS	1	Aggarwal, B. B. and K. Natarajan, "Tumor necrosis factors: Developments during the last decade," Eur. Cytokine Netw. 7(2):93-124 (April-June 1996).
↓	AT	1	Aslanidis, C., Database EMBL-new3 on MASPAN, Accession No. X75491 (March 1994).

EXAMINER	<i>G. Schlesinger</i>	DATE CONSIDERED	1/18/02
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
BS	AL2	WO 96/28546	09/19/1996	WIPO		Yes No
	AM2	WO 98/48051	10/29/1998	WIPO		Yes No
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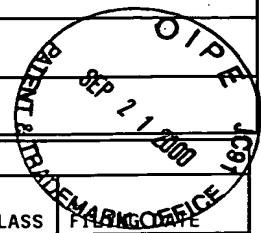
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BS	AR	2	Beutler, B. <i>et al.</i> , "Unraveling function in the TNF ligand and receptor families," <i>Science</i> 264:667-668 (1994).
	AS	2	Bowie, J.U. <i>et al.</i> , "Deciphering the message in protein sequences: tolerance to amino acid substitutions," <i>Science</i> 247:1306-1310 (1990).
↓	AT	2	Camerini, D. <i>et al.</i> , "The T Cell Activation Antigen CD27 Is a Member of the Nerve Growth Factor/Tumor Necrosis Factor Receptor Gene Family," <i>J. Immunol.</i> 147(9):3165-3169 (1991).

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AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

88	AR	3	Chinnaiyan, A.M. et al., "Signal Transduction by DR3, a Death Domain-Containing Receptor Related to TNFR-1 and CD95," <i>Science</i> 274:990-992 (1996).
	AS	3	Crowe, P.D. et al., "A lymphotoxin-beta-specific receptor," <i>Science</i> 264:707-710 (1994).
↓	AT	3	Dürkop, H. et al., "Molecular Cloning and Expression of a New Member of the Nerve Growth Factor Receptor Family That Is Characteristic for Hodgkin's Disease," <i>Cell</i> 68:421-427 (1992).

EXAMINER G. Scher DATE CONSIDERED 1/16/01

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AM						Yes No
AN						Yes No
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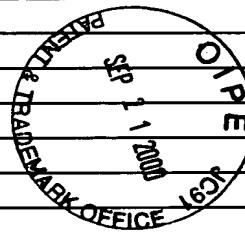
18	AR	4	Engelmann, H. et al., "Two Tumor Necrosis Factor-Binding Proteins Purified from Human Urine. Evidence for Immunological Cross-Reactivity with Cell Surface Tumor Necrosis Factor Receptors," <i>J. Biol. Chem.</i> 265(3):1531-1536 (1990).
	AS	4	Feinstein, E. et al., "The death domain: a module shared by proteins with diverse cellular functions," <i>TIBS</i> 20:342-344 (September 1995).
↓	AT	4	Genexpress, Database EMBL/GenBank/DDBJ on MASPAR, Accession No. Z38433 (October 1994).

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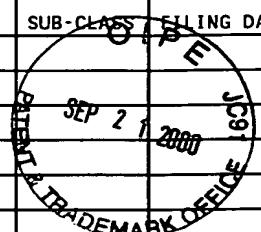
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	5	George, et al., in <i>Macromolecular Sequencing and Synthesis</i> , Schlessinger, D.H., ed., Alan R. Liss, Inc., New York, pp. 127-149 (1988).				
	AS	5	Glasgow, E. and Schechter, N., Database EMBL-new3 on MASP, Accession No. L23876 (1993).				
	AT	5	Hillier, L. et al., Database EST-STS on MASP, Accession No. H14106 (July 1995).				

EXAMINER	<i>G.S. [Signature]</i>	DATE CONSIDERED	<i>11/18/92</i>
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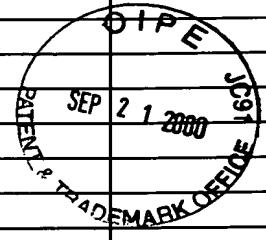
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
88	AR	6	Himmeler, A. et al., "Molecular Cloning and Expression of Human and Rat Tumor Necrosis Factor Receptor Chain (p60) and Its Soluble Derivative, Tumor Necrosis Factor-Binding Protein," <i>DNA and Cell Biol.</i> 9(10):705-715 (1990).				
	AS	6	Hohmann, H.-P. et al., "Two Different Cell Types Have Different Major Receptors for Human Tumor Necrosis Factor (TNF $\alpha$ )" <i>J. Biol. Chem.</i> 264(25):14927-14934 (1989).				
	AT	6	Hsu, K. C. and M. V. Chao, "Differential Expression and Ligand Binding Properties of Tumor Necrosis Factor Receptor Chimeric Mutants," <i>J. Biol. Chem.</i> 268(22):16430-16436 (1993).				

EXAMINER	<i>AS</i>	DATE CONSIDERED	<i>11/18/02</i>
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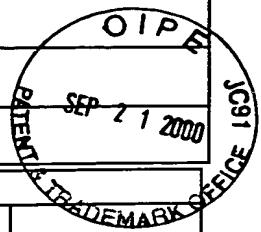


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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>AS</i>	AR	7	Hudson, T., Database EST-STS on MASPAR, Accession No. G11923 (October 1995).				
	AS	7	Itoh, N. et al., "The Polypeptide Encoded by the cDNA for Human Cell Surface Antigen Fas Can Mediate Apoptosis," <i>Cell</i> 66:233-243 (1991).				
	AT	7	Johnson, D. et al., "Expression and Structure of the Human NGF Receptor," <i>Cell</i> 47:545-554 (1986).				
EXAMINER	<i>Greene</i>				DATE CONSIDERED <i>11/18/02</i>		

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AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>8</u>	Lewis, M. et al., "Cloning and expression of cDNAs for two distinct murine tumor necrosis factor receptors demonstrate one receptor is species specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:2830-2834 (1991).
	AS	<u>8</u>	Loetscher, H. et al., "Molecular Cloning and Expression of the Human 55 kd Tumor Necrosis Factor Receptor," <i>Cell</i> 61:351-359 (1990).
	AT	<u>8</u>	Mallett, S. et al., "Characterization of the MRC OX40 antigen of activated CD4 positive T lymphocytes - a molecule related to nerve growth factor receptor," <i>EMBO J.</i> 9(4):1063-1068 (1990).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>AS</i>	AR	9	Muzio, M. et al., "FLICE, A Novel FADD-Homologous ICE/CED-3-like Protease, Is Recruited to the CD95 (Fas/APO-1) Death-Inducing Signaling Complex," <i>Cell</i> 85:817-827 (1996).				
	AS	9	NCBI Entrez, GenBank Report, Accession No. D62967, from Fujiwara, T. et al. (August 1995).				
<i>AT</i>	AT	9	NCBI Entrez, GenBank Report, Accession No. D63118, from Fujiwara, T. et al. (August 1995).				

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<i>BB</i>	AR	<u>10</u>	NCBI Entrez, GenBank Report, Accession No. D63125, from Fujiwara, T. et al. (August 1995).				
	AS	<u>10</u>	NCBI Entrez, GenBank Report, Accession No. D63126, from Fujiwara, T. et al. (August 1995).				
<i>✓</i>	AT	<u>10</u>	NCBI Entrez, GenBank Report, Accession No. AA296905, from Adams, M.D. et al. (September 1995).				

EXAMINER	<i>G. Schor</i>	DATE CONSIDERED	<i>11/18/02</i>
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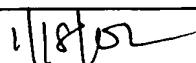
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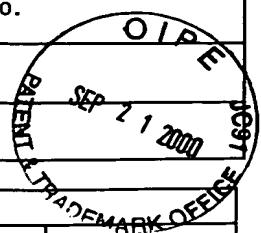
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	AS	11	NCBI Entrez, GenBank Report, Accession No. 298429, from Adams, M.D. et al. (September 1995).
	AT	11	NCBI Entrez, GenBank Report, Accession No. H88769, from Hillier, L. et al. (November 1995).

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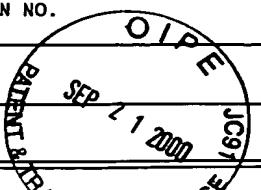
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>SS</i>	AR	<u>12</u>	NCBI Entrez, GenBank Report, Accession No. C02463, from Okubo, K. et al. (July 1996).				
	AS	<u>12</u>	NCBI Entrez, GenBank Report, Accession No. AA037313, from Hillier, L. et al. (November 1996).				
<i>KA</i>	AT	<u>12</u>	NCBI Entrez, GenBank Report, Accession No. AA195113, from Hillier, L. et al. (May 1997).				

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FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>		ATTY. DOCKET NO. 1488.0710005		APPLICATION NO. 09/526,437	
		APPLICANTS GREENE et al.			
		FILING DATE March 15, 2000			

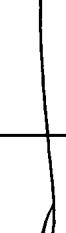
## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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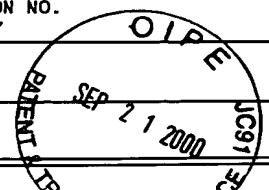
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>13</u>	NCBI Entrez, GenBank Report, Accession No. AA233719, from Hillier, L. et al. (August 1997).
	AS	<u>13</u>	NCBI Entrez, GenBank Report, Accession No. AA706996, from Hillier, L. et al. (December 1997).
	AT	<u>13</u>	NCBI Entrez, GenBank Report, Accession No. AA599841, from Jia, L. et al. (March 1998).

EXAMINER	<i>QSeh</i>	DATE CONSIDERED	<i>1/10/01</i>
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U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>AS</i>	AR	<u>14</u>	Nophar, Y. <i>et al.</i> , "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type I TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a soluble form of the receptor," <i>EMBO J.</i> 9(10):3269-3278 (1990).
<i>AS</i>	AS	<u>14</u>	Pfeffer, K. <i>et al.</i> , "Mice Deficient for the 55 kd Tumor Necrosis Factor Receptor Are Resistant to Endotoxic Shock, yet Succumb to <i>L. monocytogenes</i> Infection," <i>Cell</i> 73:457-467 (1993).
<i>AT</i>	AT	<u>14</u>	Piguet, P. F. <i>et al.</i> , "Evolution of collagen arthritis in mice is arrested by treatment with anti-tumour necrosis factor (TNF) antibody or a recombinant soluble TNF receptor," <i>Immunol.</i> 77:510-514 (1992).

EXAMINER	<i>Greene</i>	DATE CONSIDERED	<i>11/18/92</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS
AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>8</i>	AR	<u>15</u>	Radeke, M. J. et al., "Gene transfer and molecular cloning of the rat nerve growth factor receptor," <i>Nature</i> 325:593-597 (1987).
	AS	<u>15</u>	Salgaller, M.L. et al., "Generation of specific anti-melanoma reactivity by stimulation of human tumor-infiltrating lymphocytes with MAGE-1 synthetic peptide," <i>Cancer Immunol. Immunother.</i> 39:105-116 (1994).
	AT	<u>15</u>	Smith, C.A. et al., "A receptor for tumor necrosis factor defines an unusual family of cellular and viral proteins," <i>Science</i> 248:1019-1023 (1990).

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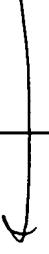
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	AM						Yes No
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	AR	16	Smith, C. A. et al., "T2 Open Reading Frame from the Shope Fibroma Virus Encodes a Soluble Form of the TNF Receptor," <i>Biochem. Biophys. Res. Comm.</i> 176(1):335-342 (1991).				
	AS	16	Stamenkovic, I. et al., "A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas," <i>EMBO J.</i> 8(5):1403-1410 (1989).				
	AT	16	Van Ostade, X. et al., "Human tumor necrosis factor mutants with preferential binding to and activity on either the R55 or R75 receptor," <i>Eur. J. Biochem.</i> 220(3):771-779 (March 1994).				

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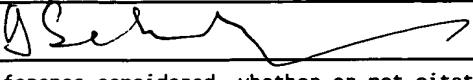
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AP							Yes No

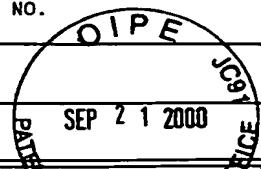
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	17	Zauner, W. et al., Database EMBL-new3 on MASPAR, Accession No. X60370, X60371, X60550 (1992).
	AS	17	International Search Report issued by the International Searching Authority for Appl. No. PCT/US96/15003, mailed January 21, 1997.
	AT	17	International Search Report issued by the International Searching Authority for Appl. No. PCT/US96/16849, mailed March 26, 1997.

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AM						Yes No
AN						Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>18</u>	International Search Report issued by the International Searching Authority for Appl. No. PCT/US96/18540, mailed March 18, 1997.
	AS	<u>18</u>	Dialog File 351, WPI Accession No. 96-402320, Derwent WPI English Language Abstract for WO 96/26217.
	AT	<u>18</u>	

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